On 0-Hecke Algebra Representations

In this talk, we will introduce the notion of representations of groups and algebras. Then, we will introduce the 0-Hecke algebra and discuss its representations, which were determined by P. N. Norton. We will discuss an observation I had about these as they relate to quasisymmetric functions and composition refinement, and see if we can expand a little further on it. If there's time, we will conclude with the definition of an induced representation of an algebra representation.